

WHAT IS CLAIMED IS:

1. An isolated nucleic acid molecule containing at least 24 contiguous bases of nucleotide sequence first disclosed in the 5 NGPCR nucleotide sequence described in SEQ ID NO: 1.

2. An isolated nucleic acid molecule having a nucleotide sequence that:

10 (a) encodes the amino acid sequence shown in SEQ ID NO: 2; and
(b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO: 1 or the complement thereof.

15 3. An isolated nucleic acid molecule having a nucleotide sequence that:

20 (a) encodes the amino acid sequence shown in SEQ ID NO: 4; and
(b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO: 3 or the complement thereof.

4. An isolated nucleic acid molecule having a nucleotide sequence that:

25 (a) encodes the amino acid sequence shown in SEQ ID NO: 40; and
(b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO: 39 or the complement thereof.

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5. An isolated nucleic acid molecule having a nucleotide sequence that:

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- (a) encodes the amino acid sequence shown in SEQ ID NO: 58; and
- (b) hybridizes under stringent conditions to the nucleotide sequence of SEQ ID NO: 57 or the complement thereof.

6. An expression vector comprising an isolated polynucleotide encoding the amino acid sequence presented in SEQ 10 ID NO: 2.